

U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION IV, ENVIRONMENTAL SERVICES DIVISION
ATHENS, GEORGIA 30605-2720

4ES-EC

NOV 08 1994

MEMORANDUM

SUBJECT: Sampling System for Waterloo Multi-Level Well System

FROM: *for* Donald Hunter, Regional Expert *for*
Hazardous Waste Section

THRU: *for* William R. Bokey, Chief *for*
Hazardous Waste Section

TO: Terry Tanner
Remedial Project Manager
North Superfund Remedial Branch
Waste Management Division

I have reviewed the performance testing report that you submitted, detailing the performance, with respect to VOC sampling, of various downhole samplers and pumps. I assume that the sample device proposed for use at the Para-Chem site is the double valve sampler.

After a review of the data, I would tend to agree with your initial impressions. Statistically, the double valve sampler is essentially equivalent to a bailer, in terms of recovery versus control values. Looking at the data strictly empirically, there is no real difference. The differences indicated are probably well within the range that would be experienced over time using either device. I see no problem using the double valve sampler for characterization of the effectiveness of the ground water pump and treat system at the Para-Chem site. If I was mistaken in my assumption regarding the selected sample device or if you have any other additional questions regarding these comments, please contact me by phone at (706) 546-3171 or by cc:mail (DHUNTER).

cc: Marlar/Bokey/Hall, ESD



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